**Category :**
A. Under Correspondence.
B. Put up to Advisory Committee & Accepted subject to observations.
D. Pending with Planning Commission for Investment clearance.

**Salinity Incursion in Coastal Areas of Orissa**

4166. SHRI RAMACHANDRA KHUNTIA : Will the Minister of WATER RESOURCES be pleased to state :

(a) whether Government are aware of the severe salinity incursion in coastal areas due to high extraction of ground water;

(b) if so, whether Government have prepared any action plan for ground water management in the large townships along the coastal areas;

(c) if so, the details thereof; and

(d) the steps taken by Government to set up a network of observational wells in coastal areas in order to monitor the ground water table and its quality and to prepare a ground water development programme in the coastal regions especially in Orissa?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRIMATI BIJOYA CHAKRAVARTY): (a) Studies undertaken by the Central Ground Water Board (CGWB) have shown salinity incursion in Minjaur area in Tamil Nadu and parts of Pondicherry due to high extraction of ground water. Some parts of coastal areas of West Bengal, Orissa, Andhra Pradesh, Maharashtra, Gujarat and Union Territory of Diu have also been found affected by ingress of seawater in low-lying areas and rivers.

(b) and (c) Ministry of Water Resources has not prepared any action plan for ground water management in large townships along the coastal areas.

(d) The CGWB has set up a network of observation wells in coastal areas, through which monitoring of ground water tables and quality is done four times in a year. The CGWB has also undertaken a project for salinity ingress and ground water recharge in Bhadrak, Kendrapara and Puri districts of Orissa. 39 shallow piezometers have been installed in creek areas of Orissa to monitor the ground water regime.

**Private participation in Irrigation Projects**

†4167. SHRIMATI KUM KUM RAI : Will the Minister of WATER RESOURCES be pleased to state :

(a) whether many irrigation projects are lagging behind their original time schedule;

+ Original notice of the question was received in Hindi.

(b) if so, the State-wise details thereof;

(c) whether Government are contemplating to invite private partnership to complete the said project; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRIMATI BIJOYA CHAKRAVARTY) : (a) The normal period of completion for major and medium irrigation project is ten to fifteen years and five years respectively. With this criterion most of the projects which spilled over from Ninth Five Year Plan to Tenth Five Year Plan are lagging behind their original time schedule.

(b) The State-wise number of projects is provided in the Statement enclosed.

(c) and (d) Irrigation being a State subject, irrigation projects are planned, investigated, formulated, implemented and funded by the State Governments out of their own resources and as per their priorities. Hence, it is upto the State Governments to decide the involvement of private partnership in completion of the projects.

***Statement***

*Private Participation in Irrigation Projects*
*On-going Irrigation Projects in Tenth Plan*

| Sl. No. | State | Major | Medium | ERM | Total |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | Andhra Pradesh | 14 | 12 | 8 | 34 |
| 2. | Arunachal Pradesh | — | — | — | — |
| 3. | Assam | 4 | 5 | 1 | 10 |
| 4. | Bihar | 8 | 7 | 4 | 19 |
| 5. | Jharkhand | 7 | 22 | — | 29 |
| 6. | Goa | 1 | — | — | 1 |
| 7. | Gujarat | 3 | 18 | 27 | 48 |
| 8. | Haryana | 5 | — | 1 | 6 |
| 9. | Himachal Pradesh | 1 | 2 | — | 3 |
| 10. | Jammu & Kashmir | — | 7 | 5 | 12 |
| 11. | Karnataka | 15 | 17 | 5 | 37 |
| 12. | Kerala | 4 | 4 | 2 | 10 |
| 13. | Madhya Pradesh | 16 | 10 | 3 | 29 |
| 14. | Chhattisgarh | 3 | 7 | — | 10 |

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 15. | Maharashtra | 45 | 94 | 6 | 145 |
| 16. | Manipur | 2 | 2 | 4 | 8 |
| 17. | Meghalaya | .. | 1 | — | 1 |
| 18. | Mizoram | .. | — | — | — |
| 19. | Nagaland | — | 1 | — | 1 |
| 20. | Orissa | 10 | 4 | 5 | 19 |
| 21. | Punjab | — | 2 | 5 | 7 |
| 22. | Rajasthan | 5 | 4 | 2 | 11 |
| 23. | Sikkim | . | — | — | — |
| 24. | Tamil Nadu | 1 | 2 | 0 | 3 |
| 25. | Tripura | — | 3 | — | 3 |
| 26. | Uttar Pradesh | 9 | 1 | 5 | 15 |
| 27. | Uttaranchal | 3 | – | — | 3 |
| 28. | West Bengal | 3 | 17 | 6 | 26 |
| | TOTAL in India | 159 | 242 | 89 | 490 |

**Surface Water Blancing**

4168. DR. A.K. PATEL : Will the Minister of WATER RESOURCES be pleased to state :

(a) whether in the "UN fresh water year" an expert scienists group has commissioned a feasibility study on "framework concept for surface water balancing in India", with special emphasis on drought prone areas like that of Gujarat and Rajasthan;

(b) if so, whether Government have also undertaken a similar study for surface and underground water balance with emphasis on drought prone areas, during the "UN fresh water year"; if so, the details in this regard; and

(c) the steps taken and being taken to coordinate Government effort with such expert groups or to support and supplement their effort?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRIMATI BIJOYA CHAKRAVARTY) : (a) Commissioning of feasibility study by an expert scientists group on "framework concept for surface water balancing in India" with special emphasis on drought prone areas like that of Gujarat and Rajasthan has not been brought to the notice of this Ministry.

(b) Under the freshwater year being observed in India, the focus is on creating mass awareness about the scarcity value of freshwater, its conservation